	BUSIN	ESS N	MATHEMATICS I							
1	Course Title:	BUSINE	SS MATHEMATICS I							
2	Course Code:	ISL1401								
3	Type of Course:	Compuls	sory							
4	Level of Course:	First Cyc	cle							
5	Year of Study:	1								
6	Semester:	1								
7	ECTS Credits Allocated:	5.00								
8	Theoretical (hour/week):	3.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to f	face							
14	Course Coordinator:	Doç. Dr.	GÜL EMEL							
15	Course Lecturers:	Doç. Dr. Gül EMEL Yar.Doç.Dr.Burcu AVCI ÖZTÜRK								
16	Contact information of the Course Coordinator:	ggokay@uludag.edu.tr Tel: 0224 29 41055								
17	Website:									
18	Objective of the Course:	to develo	vide students with basic knowledge of Business Mathematics, elop their ability to apply the knowledge to special business and to evaluate the solutions of the problems carefully.							
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	To be able to know basic mathematical rules.							
		2	To be able to comprehend the importance of the math the business.							
		3	To be able to state the business related problems with equations.							
		4	To be able to express the concepts like revenue, cost and profit mathematically.							
		5	To be able to calculate simple and compound interests							
		6	To be able to analyze the details of the mathematical model of the problem with limit and derivative rules							
		7	To be able to synthesise the outcome data							
		8	To be able to interpret the solutions and evaluate the mathematical models							
		9								
		10								
21	Course Content:									
		Co	ourse Content:							
	Theoretical		Practice							
1	Linear equations, linear functions and graphs	d their								
2	Linear inequalities and their graphs									

3	Cost, revenue and profit function breakeven point computation	s and			
4	Polynomial nonlinear functions				
5	Logarithmic and exponential fund	rtions			
6	Business applications of nonlinear				
7	Sequences and series (Midterm				
8	Interest calculations and applicat				
9	Limits and contingency	10115			
10	Description of the derivatives, rat	o of obongo			
	rules of derivatives.				
11	Derivatives of implicit functions, I functions and functions of which a function, high order derivatives	exponent is			
12	Derivatives, continuity, differential forms and L'hospital rule.	II, indefinite			
13	Increasing and decreasing function and turning points and drawing c				
14	Max. profit, min cost calcultions a examples				
Activi	ites		Bursa, 2010. Number	Duration (hou	ur) Total Work Load (hour)
Theore	eical		14	3.00	42.00
Praction	cals/Labs		0	0.00	0.00
Self st	LEARNING ACTIVITIES tudy and preperation	NUMBE	WEIGHT	4.00	56.00
Home	works	IK	0	0.00	0.00
∂ (g <u>je</u> c	ets	0	0.00	0.00	0.00
Field S	Studies		0	0.00	0.00
Midde	Thamams	1	60!00	25.00	25.00
Others	S		0	0.00	0.00
Eight ri	TXATION of Term (Year) Learning Act	ivities to	40!00	30.00	30.00
Total \	Work Load				178.00
Cotatiri	botlohoetlFaΩ hExam to Success G	rade	60.00		5.10
ECTS	Credit of the Course				5.00
Measu Course	urement and Evaluation Technique e	s Used in the			
24	ECTS / WORK LOAD TAB	LE			
25	CONTRIBUTIO	N OF LEA	RNING OUT	OMES TO PROGRA	AMME

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ1 PQ2 PQ3 PQ4 PQ5 PQ6 PQ7 PQ8 PQ9 PQ1 PQ11 PQ12 PQ1 PQ14 PQ15 PQ16														
ÖK1	3	5	2	3	0	4	5	2	5	4	1	0	0	0	0	0
ÖK2	3	5	2	3	0	4	5	2	5	4	1	0	0	0	0	0
ÖK3	3	5	2	3	0	4	5	1	5	4	1	0	0	0	0	0

Contrib 1 very low ution Level:			2 low		3	Medium		4 High			5 Very High					
LO: Learning Objectives PQ: Program Qualifications																
ÖK8	3	5	3	2	0	3	4	3	5	4	1	0	0	0	0	0
ÖK7	3	4	2	2	0	4	3	3	5	4	1	0	0	0	0	0
ÖK6	1	5	2	1	0	2	3	2	5	3	1	0	0	0	0	0
ÖK5	2	4	2	3	0	5	5	1	5	2	1	0	0	0	0	0
ÖK4	3	5	2	2	0	4	5	2	5	3	1	0	0	0	0	0